

# LUNA E34 / E44



low price · high quality



1946-2016  
70 years

**IMO**



medical beds worldwide



# CORPORATE PROFILE

- COMPANY **IMO-Indústrias Metalúrgicas, S.A.**
- HEAD-QUARTERS **Longra, Felgueiras, Portugal**
- VAT No. **500.136.939**
- FOUNDATION YEAR **1946**
- EMPLOYEES **112**
- SHARE CAPITAL **2,5 M€**
- TURN-OVER (2015) **5,7 M€**
- INSTALLED PRODUCTS **46 países**
- INDUSTRIAL FACILITIES **8.400 m2 área coberta**
- PRODUCTION CAPABILITIES
  - Research and development
  - Prototyping and tools
  - Molds Engineering
  - Laboratory quality control
  - Electronics
  - Metalworking
  - Plastics
  - Woodwork
  - Upholstery
  - 2 assembly lines
  - Logistics and distribution

# FEATURES



## CONTROL



- 01 Handset portable control
- 02 Articulated trapezes electric lifting system.
- 03 Electric back-rest and leg-rest independent articulations.
- 04 Auto-contour - back-rest and leg-rest simultaneous movement.



## ERGONOMY



- 05 OPTION - 4 sections steel sheet epoxy coated mattress platform.
- 06 OPTION - 4 sections mattress platform made in HPL Compact.
- 07 Foot articulation synchronized with leg-rest movement.
- 08 Corners protected by bumper disks and ABS coverings.



## SAFETY



- 09 Head/foot boards and side-rails made in HDPEmedical®.
- 10 OPTION - Splitted and collapsible side-rails
- 11 OPTION - Full lenght folding side-rails.
- 12 9V pile to flat articulations in case of electrical failure.



## MOBILITY



- 13 MODEL E44 - ABS shielded casters Ø150mm with central locking system.
- 14 MODEL E34 OPTION - ABS shielded casters Ø125mm with 3 local lockings.
- 15 MODEL E34 OPTION - ABS shielded casters Ø125mm with 2 local lockings.
- 16 MODEL E34 OPTION - Metallic casters Ø100mm with 2 local lockings.

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# CONTROL



## 01 HANDSET PORTABLE CONTROL



### HANDSET CONTROL

Handset remote control with coil cable by Limoss german brand, IP55 insulation, with the following functions:

- Back-rest;
- Leg-rest;
- Auto-contour;
- Elevation.

## 02 ARTICULATED TRAPEZES LIFTING SYSTEM



### ELECTRIC HEIGHT ADJUSTABLE

Height adjustable system by articulated trapezes electrically operated by linear motor.

Lifting stroke of 380 mm and a maximum patient load of 220kg.

## 03 FOWLER POSITION



### FOWLER POSITION

Back-rest and leg-rest sections are independently articulated by linear electric motor.

Booth articulations take together allows to get Fowler position.

## 04 AUTO-CONTOUR



### SIMULTANEOUS MOVEMENT

The portable control allows the simultaneous movement of back and legs sections by a single button.

This Auto-contour function allows to place the patient directly in the Fowler position without him slide when separately articulates the back-rest section.



## ERGONOMY



### 05 METAL PLATFORM OPTION



**METAL MATTRESS PLATFORM**  
4 sections and 3 articulations  
mattress platform made in epoxy coated galvanized steel sheet. Drilled layout for mattress ventilation. Removable pans for cleaning service. Ergonomic mattress shoulders made in polyamide.

### 06 HPL COMPACT PLATFORM OPTION



**HPL COMPACT PLATFORM**  
4 sections and 3 articulations  
mattress platform made in HPL Compact. Drilled layout for mattress ventilation. Removable pans for cleaning service. Ergonomic mattress shoulders made in polyamide.

### 07 FOOTREST ARTICULATION



**FOOTREST ARTICULATION**  
The footrest is articulated on a synchronic way with legrest movement.

### 08 CORNER BUMPERS



**CORNER BUMPERS**  
Bed corners are protected by bumper wheels and ABS careens with an ergonomic conception.



# SAFETY



## 09 INFECTIONS CONTROL



HDPEmedical®  
 Head/foot boards and side-rails are made in HDPEmedical® a high density polyethylene resin, with the following features:

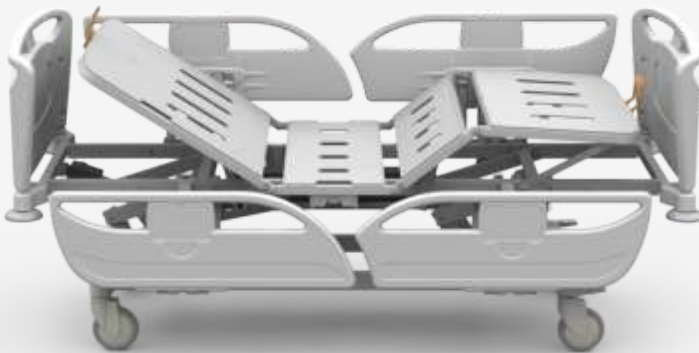
- Anti-shock, the plastic don't brake in result of light and accidental shocks.
- Fire retardant treatment within M2 class.

**ANTIMICROBIAL TREATMENT**  
 It contains an antimicrobial additive\* which is over 99% effective against the following bacteria acquired at hospital environment:

- Staphylococcus aureus ATCC 6538
- Escherichia coli NCTC 8196
- Legionella pneumophila NCTC 11192
- Methicillin resistant Staphylococcus aureus ATCC.

\* Ask for technical data file to further information.

## 10 SPLITTED SIDE-RAILS OPTION



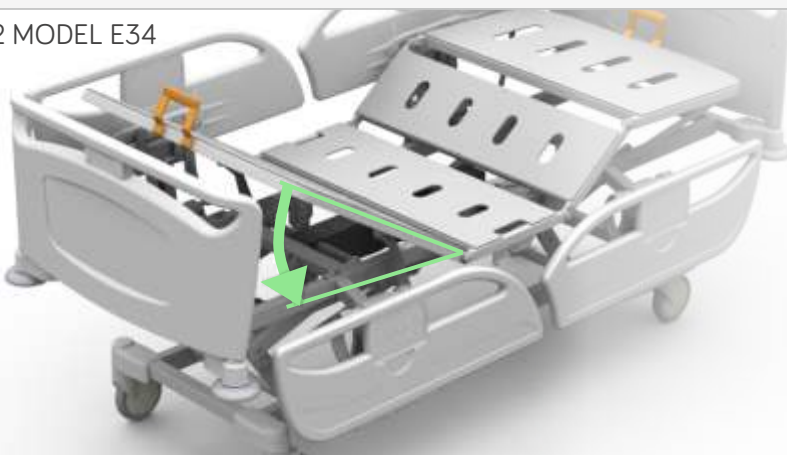
**SPLITTED SIDE-RAILS**  
 The side-rails are allways included on the bed set-up and meet the new safety European Norm EN60601-2-52.  
 Splitted side-rails option made in HDPE Medical® individually foldable and collapsible under the bed edge (Gap 0).

## 11 FULL LENGHT SIDE-RAILS OPTION



**FULL LENGHT SIDE-RAILS**  
 Metal side-rails option made in epoxy painted steel tube and ABS plastic shoulder extension. Collapsible, with safety lock and grip to handling.

## 12 MODEL E34



**9 VOLTS PILE**  
 The ned electrical system is provided by a 9V pile to return back motors to horizontal position in case of electric malfunction or power failure.





## MOBILITY



### 13 ABS CASTERS Ø150MM



MODEL TYPE E44  
ABS shielded Ø150mm casters option. Swivel effect and provided with ball bearings.  
Steering and central locking system with the following functions:  
- Total lock;  
- Steering lock;  
- Free course.

### 14 ABS CASTERS Ø125MM OPTION



3 LOCAL LOCKS  
ABS shielded Ø125mm casters option. Swivel effect and provided with ball bearings  
3 casters with local locking.

### 15 ABS CASTERS Ø125MM OPTION



2 LOCAL LOCKS  
ABS shielded Ø125mm casters option. Swivel effect and provided with ball bearings  
2 casters with local locking.

### 16 METAL CASTERS Ø100MM OPTION



CASTERS Ø100MM  
Metal Ø125mm casters option. Swivel effect and provided with ball bearings  
2 casters with local locking.



\* Hauteur du sommier avec des roues de Ø125 mm. Pour des autres options de roues la dimension change.

**DIMENSIONS (±5%)**

Mattress platform	2000 x 885 mm
External dimensions	2189 x 970 mm
Raised side-rails A width	1004 mm
Raised side-rails G width	1030 mm
Minimum/Maximum height	400 - 800 mm*

**ARTICULATIONS (±5%)**

Back-rest maximum angle	70°
Leg-rest maximum angle	35°
Foot-rest maximum angle	30°

**CAPABILITIES (±5%)**

Patient maximum load	220 Kg
Electric tension	230VAC-50/60Hz
Option	110/120VAC-50/60Hz

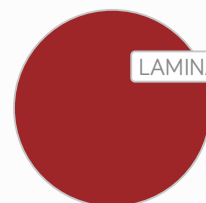
Indicative colors only, check with real samples.



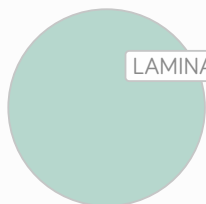
LAMINATE M302



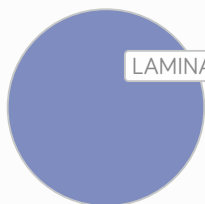
LAMINATE 861



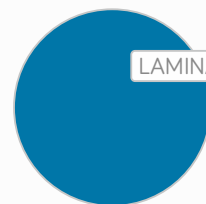
LAMINATE 431



LAMINATE 454



LAMINATE 484



LAMINATE 838

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